

11-23-01

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PTO/SB/05 (03-01)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

Attorney Docket No.

First Inventor

LAKIN

Title

Coupled Resonator Bulk Acoustic  
Wave Filter

Express Mail Label No.

FE841351533US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification (Total Pages 36)  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the invention
  - Brief Summary of the invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 12]

5. Oath or Declaration [Total Pages 2]

- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

Prior application information:

Examiner

of prior application No.:

Group Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

or

☒

Correspondence address below

Name

G. Joseph Buck 26846

Address

24520 Hawthorne Blvd., Ste. 110-15

City

Torrance

State

CA

Zip Code

90505

Country

USA

Telephone

310-465-1864

Fax

Name (Print/Type)

G. Joseph Buck

Registration No. (Attorney/Agent)

29,519

Signature

*G. Joseph Buck*

Date

Nov. 16, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

11/16/01

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Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)  
494.00

Complete if Known

Application Number  
Filing Date  
First Named Inventor LAKIN, KENNETH MEADE  
Examiner Name  
Group Art Unit  
Attorney Docket No.

## METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number  
Deposit Account Name

☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity  
Fee Fee Fee Fee Fee Description  
Code (\$) Code (\$) Code (\$) Code (\$) Code (\$)

101 710 201 355 Utility filing fee  
106 320 206 160 Design filing fee  
107 490 207 245 Plant filing fee  
108 710 208 355 Reissue filing fee  
114 150 214 75 Provisional filing fee

Fee Paid

370

SUBTOTAL (1) (\$)  
370

### 2. EXTRA CLAIM FEES

Total Claims 16  
Independent Claims 5  
Multiple Dependent  
Extra Claims -20\*\* = 0 X Fee from below =  
-3\*\* = 2 X Fee Paid = 84

Large Entity Small Entity  
Fee Fee Fee Fee Fee Description  
Code (\$) Code (\$) Code (\$) Code (\$) Code (\$)

103 18 203 9 Claims in excess of 20  
102 80 202 40 Independent claims in excess of 3  
104 270 204 135 Multiple dependent claim, if not paid  
109 80 209 40 \*\* Reissue independent claims over original patent  
110 18 210 9 \*\* Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)  
84

\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Code | Fee Code | Fee Description  | Fee Paid |
|--------------|--------------|----------|----------|--|----------|
| 105          | 130          | 205      | 65       | Surcharge - late filing fee or oath  |          |
| 127          | 50           | 227      | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139          | 130          | 139      | 130      | Non-English specification  |          |
| 147          | 2,520        | 147      | 2,520    | For filing a request for <i>ex parte</i> reexamination                     |          |
| 112          | 920*         | 112      | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 113          | 1,840*       | 113      | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 115          | 110          | 215      | 55       | Extension for reply within first month                                     |          |
| 116          | 390          | 216      | 195      | Extension for reply within second month                                    |          |
| 117          | 890          | 217      | 445      | Extension for reply within third month                                     |          |
| 118          | 1,390        | 218      | 695      | Extension for reply within fourth month                                    |          |
| 128          | 1,890        | 228      | 945      | Extension for reply within fifth month                                     |          |
| 119          | 310          | 219      | 155      | Notice of Appeal   |          |
| 120          | 310          | 220      | 155      | Filing a brief in support of an appeal                                     |          |
| 121          | 270          | 221      | 135      | Request for oral hearing   |          |
| 138          | 1,510        | 138      | 1,510    | Petition to institute a public use proceeding                              |          |
| 140          | 110          | 240      | 55       | Petition to revive - unavoidable   |          |
| 141          | 1,240        | 241      | 620      | Petition to revive - unintentional   |          |
| 142          | 1,240        | 242      | 620      | Utility issue fee (or reissue)   |          |
| 143          | 440          | 243      | 220      | Design issue fee   |          |
| 144          | 800          | 244      | 300      | Plant issue fee  |          |
| 122          | 130          | 122      | 130      | Petitions to the Commissioner  |          |
| 123          | 50           | 123      | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 126          | 180          | 126      | 180      | Submission of Information Disclosure Stmt                                  |          |
| 581          | 40           | 581      | 40       | Recording each patent assignment per property (times number of properties) | 40       |
| 146          | 710          | 246      | 355      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149          | 710          | 249      | 355      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179          | 710          | 279      | 355      | Request for Continued Examination (RCE)                                    |          |
| 169          | 900          | 169      | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)  
40

## SUBMITTED BY

Name (Print/Type) G. Joseph Buck Registration No. (Attorney/Agent) 29,519 Complete (if applicable) Telephone 310-465-1864  
Signature [Signature] Date Nov. 16, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

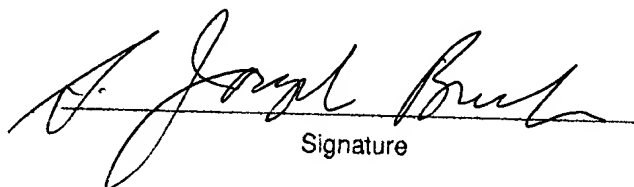
|                      |   |
|----------------------|---|
| First Named Inventor | LAKIN, KENNETH MEADE                        |
| Title                | Coupled Resonator Bulk Acoustic Wave Filter |
| Atty Docket Number   |   |

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

November 9, 2001

Date



Signature

G. Joseph Buck

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.